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November 19, 1993

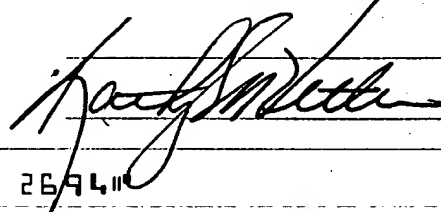
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COMMISSIONER OF PATENTS &
TRADEMARKS

HOWREY & SIMON



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DOCKETED
NOV 23 1993

Inventor(s): John C. Harvey
James W. Cuddihy
Serial No.: 08/056,501
Filing Date: May 3, 1993

Group Art Unit: 2202
Examiner: D. Cain

Hon. Commissioner of Patents and Trademarks

SIR:

Please place the Patent Office receipt stamp hereon to acknowledge receipt of the following:

1. Supplemental Information Disclosure Statement
2. Check - \$200
3. PTO-1449
4. Reference Category List
4. Photocopies of: 5 U.S. patent references; 1 German patent reference with English Abstract;
1 PCT Application; and 1 article

Docket No. 5634/7

Respectfully,
Thomas J. Scott, Jr. (Reg. No. 27,836)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): John C. Harvey, James W.
Cuddihy

Serial No.: 08/056,501

Filing Date: 3 May 93

For: Signal Processing Apparatus and Methods

Group Art Unit: 2202

Examiner: D. Cain

DOCKETED
NOV 23 1993

Commissioner of Patents and Trademarks-
Washington D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

S I R:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Copies of the listed references are provided herewith.

German Patent No. 23 38 380 discloses a remote control for radio and television receivers that selects channels and stations by transmitting control signals to a decoder and a processor that are connected to the radio/television receiver. An English abstract of the patent is provided herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

This IDS is being filed pursuant to 37 C.F.R. § 1.97(c) before the earlier of the mailing date of a final action or a notice of allowance. A check in the amount of **\$200.00** is enclosed to cover the small entity fee for the IDS submission under 37 C.F.R. § 1.97(c). Please charge any additional fees required in connection with this communication to the deposit account of **Howrey & Simon**, deposit account number **08-3038**. A duplicate copy of this sheet is enclosed.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No. 5634/7	Serial No. 08/056,501
	Applicant(s) John C. Harvey, James W. Cuddihy	
	Filing Date 3 May 93	Group 2202

U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date
	4,079,419	Mar. 14, 1978	Siegle et al.	358/193	
	4,171,513	Oct. 16, 1979	Otey et al.	325/32	
	4,245,245	Jan. 13, 1981	Matsumoto et al.	358/122	
	4,290,141	Sep. 15, 1981	Anderson et al.	455/2	
	Re. 31,735	Nov. 13, 1984	Davidson		Jul. 26, 1982**

- If pertinent

** - Claims priority from a parent application filed prior to Nov. 3, 1981.

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation	
					Yes	No
	WO 81/02961	Oct. 15, 1981	PCT Application	HO4N 7/16, 7/04		
	23 38 380	Feb. 13, 1975	Germany		abstract	x

Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	McKenzie, G.A., "ORACLE - An Information Broadcasting Service Using Data Transmission in the Vertical Interval," <u>Journal of the SMPTE</u> , vol. 83, Number 1, January 1974, pp. 6-10.

Examiner	Date Considered
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

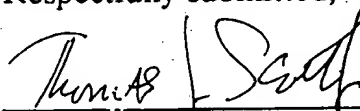
**CORRECTION OF SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT SUBMITTED NOVEMBER 4, 1993**

Attorney for Applicants would like to point out some inadvertent errors in the previously submitted Supplemental Information Disclosure Statement dated November 4, 1993. These errors were discovered after the submission of the Supplemental Information Disclosure Statement. U.S. Patent Nos. 4,908,713 and 4,963,994 to Levine, and U.S. Patent No. 4,400,587 to Taylor et al. were all incorrectly marked with a ** next to their filing dates on the 1449 form, indicating that those patents claim priority from a parent application filed prior to Nov. 3, 1981. However, the patent applications relied on by the Levine patents for priority do not have a filing date prior to November 3, 1981, and the Taylor patent claims no priority from a parent application. Also, U.S. Patent No. 2,864,885 to Morris was incorrectly identified on the 1449 form as U.S. Patent No. 2,864,865.

REFERENCE CATEGORY LIST

The enclosed list of categories of the submitted references and their identified relevance to each pending claim, identifies those references that, in Applicants' view, are the most relevant to each pending claim. Each reference may be placed in more than one category. This list is submitted merely to assist the Examiner. Although Applicants have attempted to identify those references that are believed to be the most relevant to each claim, there may exist other relevant references not identified as such.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: November 22, 1993

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REFERENCE CATEGORIES

U.S. Patent Application Ser. No. 08/056,501

GROUP A

2,573,349, 2,788,387, 2,864,885, 3,071,642, 3,238,297, 3,531,586, 3,536,833,
3,657,699, 3,684,823, 3,733,430, 3,736,369, 3,824,332, 3,885,089, 3,899,633,
3,914,534, 3,919,462, 3,934,079, 3,936,593, 3,936,594, 3,987,398, 4,025,947,
4,025,948, 4,058,830, 4,081,831, 4,130,833, 4,161,751, 4,253,114, 4,266,243,
4,304,990, 4,305,101, 4,313,132, 4,318,125, 4,322,745, 4,323,921, 4,323,922,
4,325,078, 4,336,553, 4,338,628, 4,353,088, 4,354,201, 4,364,081, 4,365,110,
4,379,205, 4,388,643, 4,389,671, 4,390,898, 4,398,216, 4,405,942, 4,424,532,
4,434,436, 4,467,139, 4,475,123, 4,536,791

GROUP B

2,573,349, 2,788,387, 2,864,885, 3,071,642, 3,531,586, 3,833,757, 3,934,079,
4,024,574, 4,058,830, 4,091,417, 4,104,486, 4,115,807, 4,225,884, 4,388,643,
4,528,589

GROUP C

2,769,023, 2,866,962, 3,071,642, 3,238,297, 3,777,053, 3,882,392, 3,886,302,
3,890,461, 3,894,176, 3,899,633, 3,919,462, 3,934,079, 3,997,718, 4,058,830,
4,068,264, 4,081,831, 4,112,464, 4,115,662, 4,161,751, 4,163,255, 4,215,366,
4,253,114, 4,292,650, 4,322,745, 4,323,921, 4,323,922, 4,325,078, 4,338,628,
4,354,201, 4,388,643, 4,389,671, 4,390,898, 4,434,436, 4,467,139, 4,475,123,
4,528,589, 4,536,791, 4,598,288, U.K. Pat.No. 1,554,411

GROUP D

3,213,201, 3,693,090, 3,789,137, 3,819,852, 4,025,947, 4,215,370, 4,364,081,
4,365,110, 4,394,762, 4,398,216, 4,410,917, 4,424,532, 4,467,356

GROUP E

3,573,747, 3,798,610, 4,253,157, 4,339,798, 4,593,353

GROUP F

3,609,697, 3,798,359, 3,956,615, 4,120,030, 4,168,396, 4,262,329, 4,306,289,
4,339,798, 4,375,579, 4,433,207, 4,434,464, 4,446,519, 4,471,163, 4,513,174

GROUP G

3,659,046, 3,731,197, 3,773,977, 3,824,467, 3,893,031, 3,911,216, 3,921,151,
3,970,790, 4,048,619, 4,058,830, 4,160,120, 4,171,513, 4,172,213, 4,196,310,
4,232,193, 4,283,602, 4,323,921, 4,337,483, 4,379,205, 4,434,323

GROUP H

3,668,307, 3,833,757, 3,894,176, 3,934,079, 3,997,718, 4,245,245, 4,339,798,
4,475,123, 4,528,589, 4,536,791

GROUP I

3,668,307, 3,845,391, 3,975,583, 4,247,106, 4,312,016, 4,329,684, 4,331,973,
4,331,974, 4,332,980, 4,334,242, 4,354,201, 4,361,877, 4,375,651, 4,394,691,
4,404,589, 4,475,123, 4,528,588, 4,528,589, 4,536,791, "The wired household," IEEE
Spectrum, Oct. 1979

GROUP J

3,729,581, 4,031,548, 4,079,419, 4,081,753, 4,170,782, 4,186,413, 4,264,925,
4,288,809, 4,305,101, 4,329,684, 4,331,973, 4,331,974, 4,336,559, 4,375,651,
4,390,901, 4,394,691, 4,404,589, 4,598,288, All Foreign Patents, All Articles

GROUP K

3,733,430, 3,803,491, 3,833,757, 3,845,391, 4,025,851, 4,081,753, 4,104,486,
4,170,782, 4,230,990, 4,250,524, 4,338,628, 4,528,588, "The wired household," IEEE
Spectrum, Oct. 1979

GROUP L

3,749,845, 3,825,893, 4,048,619, 4,049,906, 4,058,830, 4,081,612, 4,247,106,
4,284,976, 4,287,592, 4,306,305, 4,307,446, 4,314,367, 4,319,079, 4,332,980,
4,347,498, 4,413,339, 4,536,791, 4,689,661, All Articles

GROUP M

3,749,845, 4,049,906, 4,081,612, 4,284,976, 4,307,446, 4,332,980, 4,347,498,
4,400,587

GROUP N

3,798,137, 3,893,031, 3,911,216, 3,921,151, 4,172,213, 4,168,396, 4,200,770,
4,215,366, 4,283,602, 4,304,990, 4,306,305, 4,316,055, 4,319,079, 4,365,110,
4,375,579, 4,389,671, 4,433,207, 4,471,164

GROUP O

3,833,757, 3,842,196, 3,891,792, 3,916,091, 3,975,583, 4,186,413, 4,247,106,
4,288,809, 4,310,854, 4,337,483, 4,339,798, 4,425,581, 4,536,791, All Articles

GROUP P

3,893,031, 4,305,131, 4,316,245, 4,395,757, 4,405,942, 4,424,532, 4,425,581,
4,434,323

GROUP Q

4,264,925, 4,305,131, 4,329,684, 4,339,798

GROUP R

4,302,771, 4,381,522

GROUP S

4,312,016, 4,332,980, 4,334,242, 4,337,480, 4,394,691, 4,488,179, 4,536,791

"The wired household," *IEEE Spectrum*, Oct. 1979

OTHER PATENTS UNCLASSIFIED BY GROUP

4,025,947, 4,138,726, 4,200,913, 4,236,217, 4,275,411, 4,290,141, 4,295,223,
4,316,245, 4,340,903, 4,395,757, 4,689,661

MOST RELEVANT REFERENCE CATEGORIES

U.S. Patent Application Ser. No. 08/056,501

ON A CLAIM BY CLAIM BASIS

CLAIM	GROUP
1	I, J, K, S
2	E, I, S
3	F, I, N, S
4	I, L, M, O
5	C, O
6	C, D, O
7	C, D, O
8	C, D, O
9	C, D, O
10	C, D, O
11	C, I, O, S
12	E, I, K
13	D, E, I, L, S
14	I, J, R, S
15	I, J, S
16	A, C, N
17	A, C, N

- 18 A, C, G, N, O
- 19 A, C, N, O
- 20 A, C, D, N
- 21 A, C, D, J, N, O
- 22 A, C, D, J, N, O
- 23 A, C, D, N
- 24 A, C, F, L, N, O
- 25 A, C, F, L, N, O
- 26 A, C, F, L, N, O
- 27 K, S
- 28 D, K, S
- 29 E, H, J, L, O
- 30 I, L, O, S
- 31 I, L, O, S
- 32 I, J, L, O
- 33 I, J, L, O
- 34 C, J, O
- 35 J
- 36 J
- 37 J
- 38 J
- 39 D, J, K, S

- 40 D, J, O, P, Q
- 41 C, D, O
- 42 C, D, O
- 43 D, E, J, O
- 44 E, O, Q
- 45 I, J, P, S
- 46 I, N, O, Q
- 47 I, J, O, Q
- 48 I, J, O, Q
- 49 O, Q, S
- 50 I, O, Q
- 51 K, O, Q
- 52 C, I, J, L, O, Q, S
- 53 C, I, J, L, O, Q, S
- 54 B, C, I, J, L, O, Q, S
- 55 A, C, N, Q
- 56 E, F, N